

G1 CN,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 12:01:44 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1320267 TO ITERATE

75.7% PROCESSED 1000000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.09

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **COMPLETE**

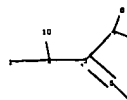
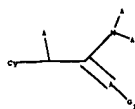
PROJECTED ITERATIONS: 1320267 TO 1320267

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\10535653a.str



chain nodes :

1 5 7

ring/chain nodes :

2 3 4 8 9 10

chain bonds :
 1-2 2-3 2-10 3-4 3-5 4-8 4-9 5-7
 exact/norm bonds :
 1-2 2-10 3-4 3-5 4-8 4-9 5-7
 exact bonds :
 2-3

G1:CN,NO2

Match level :

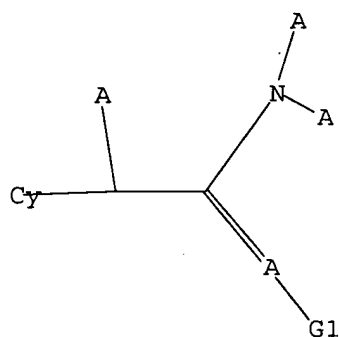
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS

L3 STRUCTURE UPLOADED

=> d

L3 HAS NO ANSWERS

L3 STR



G1 CN,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l3 full

FULL SEARCH INITIATED 12:04:56 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1343242 TO ITERATE

74.4% PROCESSED 1000000 ITERATIONS

0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.09

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
 BATCH **COMPLETE**

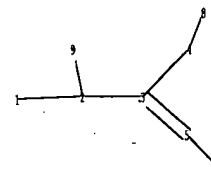
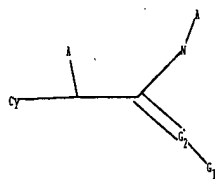
PROJECTED ITERATIONS: 1343242 TO 1343242

PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS FUL L3

=>

Uploading C:\Program Files\Stnexp\Queries\10535653b.str



chain nodes :

1 5 7

ring/chain nodes :

2 3 4 8 9

chain bonds :

1-2 2-3 2-9 3-4 3-5 4-8 5-7

exact/norm bonds :

1-2 2-9 3-4 3-5 4-8 5-7

exact bonds :

2-3

G1:CN,NO2

G2:C,N,P,CS2H,CSSH,CHO,C(O)CH3,NH,NH2,A,Ak

Hydrogen count :

2:>= minimum 0 4:>= minimum 0

Match level :

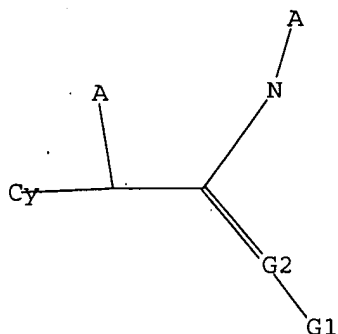
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 7:CLASS 8:CLASS 9:CLASS

L5 STRUCTURE UPLOADED

=> d

L5 HAS NO ANSWERS

L5 STR



G1 CN,NO2

G2 C,N,P,CS2H,CSSH,CHO,C(O)CH3,NH,NH2,A,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 15 full

FULL SEARCH INITIATED 12:11:50 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2872067 TO ITERATE

34.8% PROCESSED 1000000 ITERATIONS

29 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.17

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

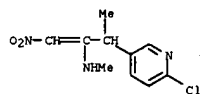
PROJECTED ITERATIONS: 2872067 TO 2872067

PROJECTED ANSWERS: 56 TO 110

L6 29 SEA SSS FUL L5'

=> d 16 1-15

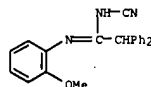
L6 ANSWER 1 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 938069-24-0 REGISTRY
 ED Entered STN: 20 Jun 2007
 CN 3-Pyridineethanamine, 6-chloro-N,β-dimethyl-α-(nitromethylene)-
 (CA INDEX NAME)
 MF C10 H12 Cl N3 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

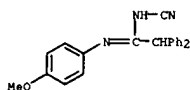
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 2 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 907166-58-9 REGISTRY
 ED Entered STN: 17 Sep 2006
 CN INDEX NAME NOT YET ASSIGNED
 MF C22 H19 N3 O
 SR Other Sources
 Database: NCI 3D (National Cancer Institute)



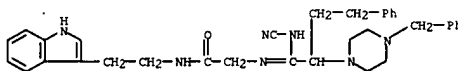
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L6 ANSWER 3 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 906638-56-0 REGISTRY
 ED Entered STN: 14 Sep 2006
 CN INDEX NAME NOT YET ASSIGNED
 MF C22 H19 N3 O
 SR Other Sources
 Database: NCI 3D (National Cancer Institute)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

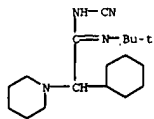
L6 ANSWER 4 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 982006-94-2 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN Acetamide, 2-[(1-(cyanoamino)-4-phenyl-2-[4-(phenylmethyl)-1-piperazinyl]butylidene)amino]-N-[2-(1H-indol-3-yl)ethyl]- (CA INDEX NAME)
 MF C34 H39 N7 O
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

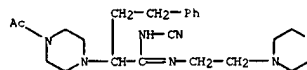
L6 ANSWER 5 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-93-1 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN 1-Piperidineethanimidamide, N-cyano- α -cyclohexyl-N'-(1,1-dimethylethyl)- (CA INDEX NAME)
 MF C18 H32 N4
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

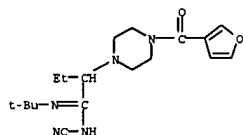
L6 ANSWER 6 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-92-0 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN 1-Piperazineethanimidamide, 4-acetyl-N-cyano-N'-(2-(4-morpholinyl)ethyl)- α -(2-phenylethyl)- (CA INDEX NAME)
 MF C23 H34 N6 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

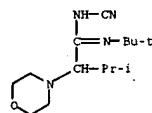
L6 ANSWER 7 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-91-9 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN 1-Piperazineethanimidamide, N-cyano-N'-(1,1-dimethylethyl)- α -ethyl-4-(3-furanylcarbonyl)- (CA INDEX NAME)
 MF C18 H27 N5 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

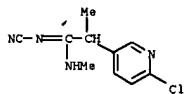
L6 ANSWER 8 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-90-8 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN 4-Morpholineethanimidamide, N-cyano-N'-(1,1-dimethylethyl)- α -(1-methylethyl)- (CA INDEX NAME)
 MF C14 H26 N4 O
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

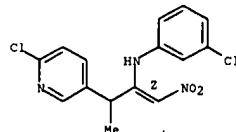
L6 ANSWER 9 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 717913-05-8 REGISTRY
 ED Entered STN: 28 Jul 2004
 CN 3-Pyridineethanimidamide, 6-chloro-N'-cyano-N, α -dimethyl-, [C(Z)]-(9CI) (CA INDEX NAME)
 MF C10 H11 Cl N4
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
 1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 10 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 717106-64-4 REGISTRY
 ED Entered STN: 27 Jul 2004
 CN 3-Pyridineethanamine, 6-chloro-N-(3-chlorophenyl)- β -methyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H13 Cl2 N3 O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

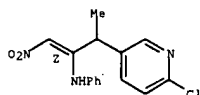
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
 1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 11 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 717106-62-2 REGISTRY
 ED Entered STN: 27 Jul 2004
 CN 3-Pyridineethanamine, 6-chloro- β -methyl- α -(nitromethylene)-N-phenyl-, (α Z)- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C15 H14 Cl N3 O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
 1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 12 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 717106-60-0 REGISTRY
 ED Entered STN: 27 Jul 2004
 CN 3-Pyridineethanamine, 6-chloro-N-methyl- α -(nitromethylene)- β -propyl-, (α Z)- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C12 H16 Cl N3 O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

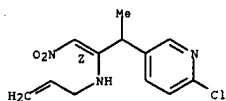
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT
 1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 13 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 717106-56-4 REGISTRY
 ED Entered STN: 27 Jul 2004
 CN 3-Pyridineethanamine, 6-chloro- β -methyl- α -(nitromethylene)-N-2-propenyl-, (α Z)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C12 H14 Cl N3 O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Double bond geometry as shown.

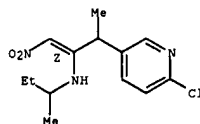


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 14 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 717106-55-3 REGISTRY
 ED Entered STN: 27 Jul 2004
 CN 3-Pyridineethanamine, 6-chloro- β -methyl-N-(1-methylpropyl)- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C13 H18 Cl N3 O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Double bond geometry as shown.

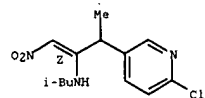


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 15 OF 29 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 717106-53-1 REGISTRY
 ED Entered STN: 27 Jul 2004
 CN 3-Pyridineethanamine, 6-chloro- β -methyl-N-(2-methylpropyl)- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C13 H18 Cl N3 O2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
572.90	574.37

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 12:13:12 ON 04 JAN 2008
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FILE COVERS 1907 - 4 Jan 2008 VOL 148 ISS 2
FILE LAST UPDATED: 3 Jan 2008 (20080103/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

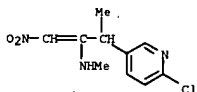
<http://www.cas.org/infopolicy.html>

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:64247 CAPLUS
 DOCUMENT NUMBER: 147:25346
 TITLE: Activity enhancement of neonicotinoid insecticides by ammonium or phosphonium compounds
 INVENTOR(S): Jeschke, Peter; Nauen, Ralf; Pontzen, Rolf; Reckmann, Udo; Marczok, Peter; Fischer, Reiner; Velten, Robert; Arnold, Christian; Sanwald, Erich
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
 SOURCE: Ger. Offen., 22pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

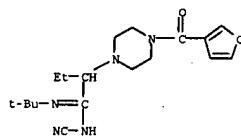
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005059468	A1	20070614	DE 2005-102005059468	20051213
WO 2007068355	A1	20070621	WO 2006-EP11468	20061130

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KH, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

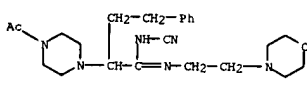
PRIORITY APPL. INFO.: DE 2005-102005059468 20051213
 AB The insecticidal activity of inhibitors of nicotinic acetylcholine receptors (for example neonicotinoids) is enhanced by addition of ammonium or phosphonium salts or quaternary ammonium salts and/or quaternary phosphonium salts. Penetration promoters, such as fatty alc. ethoxylates and mineral or vegetable oil esters, further enhance the activity.
 IT 938069-24-0D, mixts. with (quaternary) ammonium or phosphonium salts
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticides with enhanced activity)
 RN 938069-24-0 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N,β-dimethyl-α-(nitromethylene)- (CA INDEX NAME)



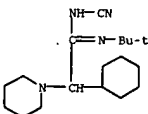
L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



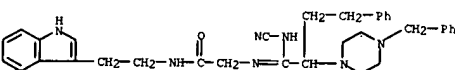
RN 882006-92-0 CAPLUS
 CN 1-Piperazineethanimidamide, 4-acetyl-N-cyano-N'-(2-(4-morpholinyl)ethyl)-α-(2-phenylethyl)- (CA INDEX NAME)



RN 882006-93-1 CAPLUS
 CN 1-Piperidineethanimidamide, N-cyano-α-cyclohexyl-N'-(1,1-dimethylethyl)- (CA INDEX NAME)

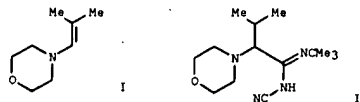


RN 882006-94-2 CAPLUS
 CN Acetamide, 2-[(1-(cyanoamino)-4-phenyl-2-[(4-(phenylmethyl)-1-piperazinyl]butylidene)amino]-N-(2-[(1H-indol-3-yl)ethyl])- (CA INDEX NAME)

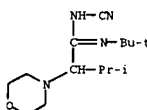


REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:128444 CAPLUS
 DOCUMENT NUMBER: 144:369409
 TITLE: Cyanamide in isocyanide-based MCRs
 AUTHOR(S): Doemling, Alexander; Herdtweck, Eberhardt; Heck, Stefan
 CORPORATE SOURCE: ABC Pharma, Munich, 81243, Germany
 SOURCE: Tetrahedron Letters (2006), 47(11), 1745-1747
 CODEN: TLEAY; ISSN: 0040-4039
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 144:369409
 GI



AB Cyanamide reacts with enamines and isocyanides in the presence of Lewis acids to give the hitherto unknown scaffold 2-amino-(N-cyano)-amidines. Preliminary scope and limitation of this novel reaction is described. E.g., reaction of enamine I, Me3CNC, and cyanamide in MeOH gave 65% 2-amino-(N-cyano)-amide II.
 IT 882006-90-8P
 RL: FFP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation of 2-amino-(N-cyano)-amidines by reaction of cyanamide with enamines and isocyanides)
 RN 882006-94-2 CAPLUS
 CN 4-Morpholineethanimidamide, N-cyano-N'-(1,1-dimethylethyl)-α-(1-methylethyl)- (CA INDEX NAME)



IT 882006-91-9P 882006-92-0P 882006-93-1P
 882006-94-2P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of 2-amino-(N-cyano)-amidines by reaction of cyanamide with enamines and isocyanides)
 RN 882006-91-9 CAPLUS
 CN 1-Piperazineethanimidamide, N-cyano-N'-(1,1-dimethylethyl)-α-ethyl-4-(3-furanylcarbonyl)- (CA INDEX NAME)

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:566527 CAPLUS
 DOCUMENT NUMBER: 141:101553
 TITLE: Preparation of insecticidal, acaricidal and nematocidal pyridine derivatives
 INVENTOR(S): Benko, Zoltan László; Deamicis, Carl Vincent; Demeter, David Anthony; Markley, Lowell Dean; Samaritoni, Jack Genor; Schmidt, Carrie Lynn Raul; Zhu, Yuanning; Erickson, W. Randall; Anzeveno, Peter Biagio; Pechacek, James Todd; Watson, Gerald Bryan; Deboer, Gerrit Jan; Sheets, Joel Jay; Zabik, Susan Erhardt; Yerkes, Carla Naeette; Schobert, Christian Thomas; Dripps, James Edwin; Dintenfass, Leonard Paul; Karr, Laura Lee; Nease, Paul Allen; Huang, Jim Xinpai; Gifford, James Michael
 PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
 SOURCE: PCT Int. Appl., 80 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

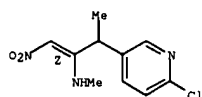
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004057960	A2	20040715	WO 2003-US41067	20031219
WO 2004057960	A3	20041104		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2003303336 A1 20040722 AU 2003-303336 20031219
 EP 1572656 A2 20050914 EP 2003-808550 20031219
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 US 2006063741 A1 20060323 US 2005-535653 20050519
 PRIORITY APPL. INFO.: US 2002-435928P P 20021220
 WO 2003-US41067 W 20031219

OTHER SOURCE(S): MARPAT 141:101553
 AB The compds. QCR12C(XZ)NR3R4 [O = carbocyclyl or heterocyclyl, preferably pyridyl; X = N, CR, COR, CSOR; NR2, etc.; R1-5 = (cyclo)alkyl, (cyclo)alkenyl, alkoxy, aryl, etc.; n = 0, 1 or 2; 2 = CN or NO2; R1CR2 = carbocyclyl or heterocyclyl] are prepared as insecticide, acaricide or nematocides.
 IT 717106-21-3P 717106-24-6P 717106-25-7P
 717106-28-0P 717106-32-6P 717106-33-7P
 717106-37-1P 717106-38-2P 717106-39-3P
 717106-42-8P 717106-45-1P 717106-46-2P
 717106-48-4P 717106-51-9P 717106-53-1P
 717106-55-3P 717106-56-4P 717106-60-0P
 717106-62-2P 717106-64-4P 717106-65-8P
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation as insecticide, acaricide and nematocides)

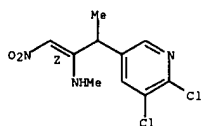
L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 RN 717106-21-3 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N, β -dimethyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.



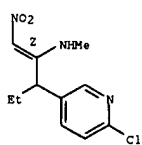
RN 717106-24-6 CAPLUS
 CN 3-Pyridineethanamine, 5,6-dichloro-N, β -dimethyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.



RN 717106-25-7 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro- β -ethyl-N-methyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.

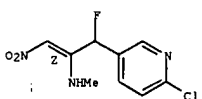


RN 717106-28-0 CAPLUS
 CN 3-Pyridineethanamine, 5,6-dichloro-N-ethyl- β -methyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.

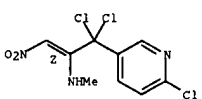
L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

Double bond geometry as shown.



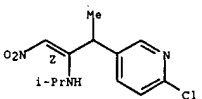
RN 717106-39-3 CAPLUS
 CN 3-Pyridineethanamine, β , β ,6-trichloro-N-methyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.



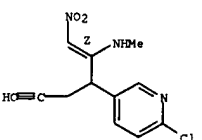
RN 717106-42-8 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro- β -methyl-N-(1-methylethyl)- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.

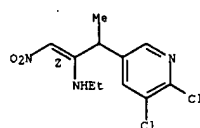


RN 717106-45-1 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N-methyl- α -(nitromethylene)- β -2-propynyl-, (α Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

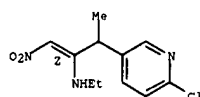


L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



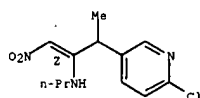
RN 717106-32-6 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N-ethyl- β -methyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.



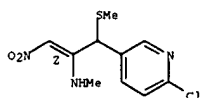
RN 717106-33-7 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro- β -methyl- α -(nitromethylene)-N-propyl-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.



RN 717106-37-1 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N-methyl- β -(methylthio)- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.

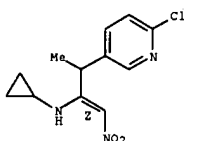


RN 717106-38-2 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro- β -fluoro-N-methyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)

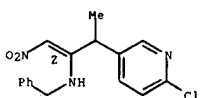
RN 717106-46-2 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N-cyclopropyl- β -methyl- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.



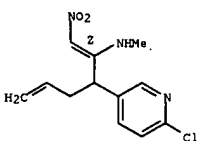
RN 717106-48-4 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro- β -methyl- α -(nitromethylene)-N-(phenylmethyl)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.



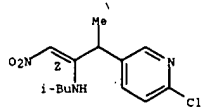
RN 717106-51-9 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N-methyl- α -(nitromethylene)- β -2-propenyl-, (α Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



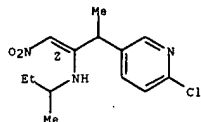
RN 717106-53-1 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro- β -methyl-N-(2-methylpropyl)- α -(nitromethylene)-, (α Z)- (CA INDEX NAME)

Double bond geometry as shown.



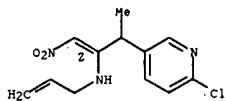
RN 717106-55-3 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-methyl-N-(1-methylpropyl)-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



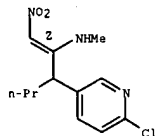
RN 717106-56-4 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-methyl-α-(nitromethylene)-N-2-propenyl-, (αZ)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



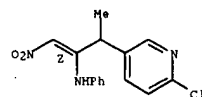
RN 717106-60-0 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-methyl-α-(nitromethylene)-β-propyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



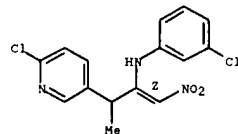
RN 717106-62-2 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-methyl-α-(nitromethylene)-N-phenyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.

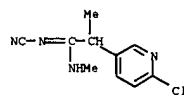


RN 717106-64-4 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-(3-chlorophenyl)-β-methyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.

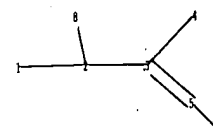
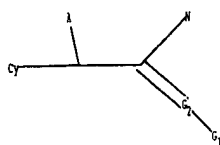


RN 717913-05-8 CAPLUS
CN 3-Pyridineethanimidamide, 6-chloro-N'-cyano-N,α-dimethyl-, [C(2)]-(9CI) (CA INDEX NAME)



=>

Uploading C:\Program Files\Stnexp\Queries\10535653c.str



chain nodes :

1 5 7

ring/chain nodes :

2 3 4 8

chain bonds :

1-2 2-3 2-8 3-4 3-5 5-7

exact/norm bonds :

1-2 2-8 3-4 3-5 5-7

exact bonds :

2-3

G1:CN,NO2

G2:C,N,P,CS2H,CSSH,CHO,C(O)CH3,NH,NH2,A,Ak

Hydrogen count :

2:>= minimum 0 4:>= minimum 0

Match level :

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 7:CLASS 8:CLASS

L8 STRUCTURE UPLOADED

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

19.71

594.08

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-2.40

-2.40

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STRUCTURE FILE UPDATES: 3 JAN 2008 HIGHEST RN 959958-02-2
DICTIONARY FILE UPDATES: 3 JAN 2008 HIGHEST RN 959958-02-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

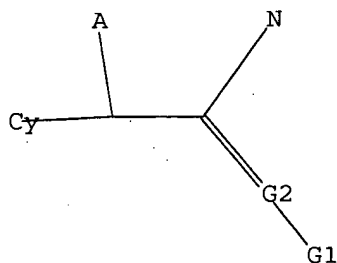
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d 18
L8 HAS NO ANSWERS
L8 STR



G1 CN,NO2
G2 C,N,P,CS2H,CSSH,CHO,C(O)CH3,NH,NH2,A,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 18 full
FULL SEARCH INITIATED 12:17:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 2873949 TO ITERATE

34.8% PROCESSED 1000000 ITERATIONS 33 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.17

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED ITERATIONS: 2873949 TO 2873949
PROJECTED ANSWERS: 65 TO 123

L9 33 SEA SSS FUL L8.

=> file caplus
COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
178.36	772.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

CA SUBSCRIBER PRICE

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-2.40

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FILE COVERS 1907 - 4 Jan 2008 VOL 148 ISS 2
FILE LAST UPDATED: 3 Jan 2008 (20080103/ED)

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<http://www.cas.org/infopolicy.html>

=> s 19
L10 4 L9

=> d 110 1-4 ibib abs

L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2007:644247 CAPLUS
 DOCUMENT NUMBER: 147:25346
 TITLE: Activity enhancement of neonicotinoid insecticides by ammonium or phosphonium compounds
 INVENTOR(S): Jeschke, Peter; Nauen, Ralf; Pontzen, Rolf; Reckmann, Udo; Marczok, Peter; Fischer, Reiner; Velten, Robert; Arnold, Christian; Sanwald, Erich
 PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
 SOURCE: Ger. Offen., 22pp.
 CODEN: GXXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

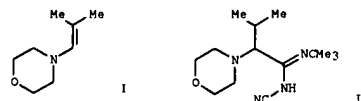
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005059468	A1	20070614	DE 2005-102005059468	20051213
WO 2007068355	A1	20070621	WO 2006-EP11468	20061130

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPL. INFO.: DE 2005-102005059468A 20051213
 AB The insecticidal activity of inhibitors of nicotinic acetylcholine receptors (for example neonicotinoids) is enhanced by addition of ammonium or phosphonium salts or quaternary ammonium salts and/or quaternary phosphonium salts. Penetration promoters, such as fatty alc. ethoxylates and mineral or vegetable oil esters, further enhance the activity.

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:128444 CAPLUS
 DOCUMENT NUMBER: 144:369409
 TITLE: Cyanamide in isocyanide-based MCRs
 AUTHOR(S): Doemling, Alexander; Herdtweck, Eberhardt; Heck, Stefan
 CORPORATE SOURCE: ABC Pharma, Munich, 81243, Germany
 SOURCE: Tetrahedron Letters (2006), 47(11), 1745-1747
 CODEN: TETLEA; ISSN: 0040-4039
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 144:369409
 G1



AB Cyanamide reacts with enamines and isocyanides in the presence of Lewis acids to give the hitherto unknown scaffold 2-amino-(N-cyano)-amides. Preliminary scope and limitation of this novel reaction is described. E.g., reaction of enamine I, Me3CNC, and cyanamide in MeOH gave 65% 2-amino-(N-cyano)-amide II.
 REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:359325 CAPLUS
 DOCUMENT NUMBER: 144:88091
 TITLE: Cyanoacetylene and its derivatives. Part XXXII. Addition of ammonia and methylamine to 4-hydroxy-4,4-diphenyl-2-butyne nitrile
 AUTHOR(S): Mal'kina, A. G.; Sokolyanskaya, L. V.; Kudyakova, R. N.; Sinegovskaya, L. M.; Albanov, A. I.; Shemyakina, O. A.; Trofimov, B. A.
 CORPORATE SOURCE: Favorskii Irkutsk Institute of Chemistry, Siberian Division, Russian Academy of Sciences, Irkutsk, 664033, Russia
 SOURCE: Russian Journal of Organic Chemistry (2005), 41(1), 61-66
 CODEN: RJOCEQ; ISSN: 1070-4280
 PUBLISHER: Pleiades Publishing, Inc.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 144:88091
 AB Nucleophilic addition of 25% aqueous NH3 and MeNH2 to 4-hydroxy-4,4-diphenyl-2-butyne nitrile occurs under mild conditions to afford 4-amino- or 4-methylamino-2,5-dihydro-5,5-diphenyl-2-iminofurans. 4-Hydroxy-4,4-diphenyl-2-butyne nitrile in anhydrous liquid NH3 gives rise to 3-amino-4-hydroxy-4,4-diphenyl-2-butenitrile which is quant. converted into the corresponding iminodihydrofuran or iminodihydrofuran.HCl in the presence of 10 wt% of KOH or gaseous HCl. 4-Amino- and 4-methylamino-2-iminofurans react with 4-hydroxy-4-methyl-2-pentenenitrile to give 3-(4-amino- and 4-methylamino-5,5-diphenyl-2,5-dihydrofuran-2-ylideneamino)-4-hydroxy-4-methyl-2-pentenenitriles.
 REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:566527 CAPLUS
 DOCUMENT NUMBER: 141:101553
 TITLE: Preparation of insecticidal, acaricidal and nematocidal pyridine derivatives
 INVENTOR(S): Benko, Zoltan Laszlo; Deamicis, Carl Vincent; Demeter, David Anthony; Markley, Lowell Dean; Samaritoni, Jack Genor; Schmidt, Carrie Lynn Rau; Zhu, Yuanning; Erickson, W. Randall; Anzeveno, Peter Biagio; Pechacek, James Todd; Watson, Gerald Bryan; DeBoer, Gerrit Jan; Sheets, Joel Jay; Zabiak, Susan Erhardt; Yerkes, Carla Nanette; Schobert, Christian Thomas; Dripps, James Edwin; Dintenfuss, Leonard Paul; Karr, Laura Lee; Neese, Paul Allen; Huang, Jim Xinpei; Gifford, James Michael
 PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
 SOURCE: PCT Int. Appl., 80 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004057960	A2	20040715	WO 2003-US41067	20031219
WO 2004057960	A3	20041104		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW

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AU 2003303336 A1 20040722 AU 2003-303336 20031219
 EP 1572656 A2 20050914 EP 2003-808550 20031219
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 US 2006063741 A1 20060323 US 2005-535653 20050519
 US 2006063741 A1 20060323 US 2002-435928P P 20021220
 PRIORITY APPL. INFO.: WO 2003-US41067 W 20031219

OTHER SOURCE(S): HARPAT 141:101553
 AB The compds. QCR1R2C(X)NR3R4 [Q = carbocyclyl or heterocyclyl, preferably pyridyl; X = N, CR, COR, CSOR; NR2, etc.; R1-5 = (cyclo)alkyl, (cyclo)alkenyl, alkoxy, aryl, etc.; n = 0, 1 or 2; Z = CN or NO2; R1CR2 = carbocyclyl or heterocyclyl] are prepared as insecticide, acaricide or nematocides.

2 3 4
chain bonds :
1-2 2-3 3-4 3-5 5-7
exact/norm bonds :
1-2 3-4 3-5 5-7
exact bonds :
2-3

G1:CN,NO2

G2:C,N,P,CS2H,CSSH,CHO,C(O)CH3,NH,NH2,A,Ak

Hydrogen count :
2:>= minimum 0 4:>= minimum 0
Match level :
1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 7:CLASS

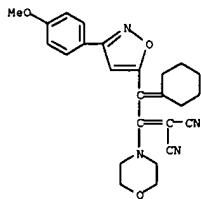
L11 STRUCTURE UPLOADED

=> d
L11 HAS NO ANSWERS
L11 STR

N

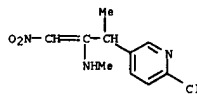
=> d 112 1-20

L12 ANSWER 1 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 959309-41-2 REGISTRY
 ED Entered STN: 21 Dec 2007
 CN INDEX NAME NOT YET ASSIGNED
 MF C25 H26 N4 O3
 SR Other Sources
 Database: NIST Mass Spectral Library (National Institute of Standards and Technology)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 ANSWER 2 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 938069-24-0 REGISTRY
 ED Entered STN: 20 Jun 2007
 CN 3-Pyridineethanamine, 6-chloro-N,N-dimethyl-α-(nitromethylene)- (CA INDEX NAME)
 MF C10 H12 Cl N3 O2
 SR CA
 LC STN Files: CA, CAPLUS

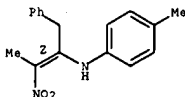


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 3 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 936102-78-2 REGISTRY
 ED Entered STN: 30 May 2007
 CN Benzeneethanamine, N-(4-methylphenyl)-α-(1-nitroethylidene)-, (αZ)- (CA INDEX NAME)
 FS STEREOSEARCH
 MF C17 H18 N2 O2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT

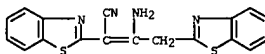
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

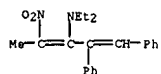
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 4 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 930421-15-1 REGISTRY
 ED Entered STN: 17 Apr 2007
 CN 2-Benzothiazoleacetonitrile, α-[1-amino-2-(2-benzothiazolyl)ethylidene]- (CA INDEX NAME)
 MF C18 H12 N4 S2
 SR Chemical Library
 Supplier: Enamine
 LC STN Files: CHEMCATS



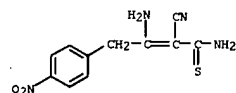
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L12 ANSWER 5 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 911810-16-7 REGISTRY
 ED Entered STN: 01 Nov 2006
 CN INDEX NAME NOT YET ASSIGNED
 MF C21 H24 N2 O2
 SR Other Sources
 Database: Wiley Subscription Services, Inc.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

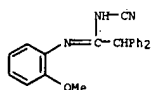
L12 ANSWER 6 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 909028-97-3 REGISTRY
 ED Entered STN: 28 Sep 2006
 CN 2-Butenethioamide, 3-amino-2-cyano-4-(4-nitrophenyl)- (CA INDEX NAME)
 MF C11 H10 N4 O2 S
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

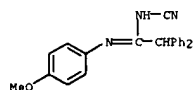
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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 7 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 907166-58-9 REGISTRY
 ED Entered STN: 17 Sep 2006
 CN INDEX NAME NOT YET ASSIGNED
 MF C22 H19 N3 O
 SR Other Sources
 Database: NCI 3D (National Cancer Institute)



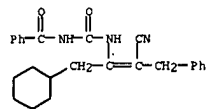
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L12 ANSWER 8 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 906638-56-0 REGISTRY
 ED Entered STN: 14 Sep 2006
 CN INDEX NAME NOT YET ASSIGNED
 MF C22 H19 N3 O
 SR Other Sources
 Database: NCI 3D (National Cancer Institute)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

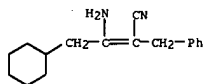
L12 ANSWER 9 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 883854-15-7 REGISTRY
 ED Entered STN: 11 May 2006
 CN Benzamide, N-[[[2-cyano-1-(cyclohexylmethyl)-3-phenyl-1-propenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)
 MF C25 H27 N3 O2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

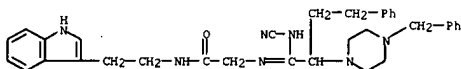
L12 ANSWER 10 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 883854-05-5 REGISTRY
 ED Entered STN: 11 May 2006
 CN Benzenepropanenitrile, α-(1-amino-2-cyclohexylethylidene)- (CA INDEX NAME)
 MF C17 H22 N2
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

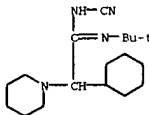
L12 ANSWER 11 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-94-2 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN Acetamide, 2-[[[1-(cyanoamino)-4-phenyl-2-[4-(phenylmethyl)-1-piperazinyl]butylidene]amino]-N-[2-(1H-indol-3-yl)ethyl]- (CA INDEX NAME)
 MF C34 H39 N7 O
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

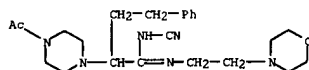
L12 ANSWER 12 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-93-1 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN 1-Piperidineethanimidamide, N-cyano-α-cyclohexyl-N'-(1,1-dimethylethyl)- (CA INDEX NAME)
 MF C18 H32 N4
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

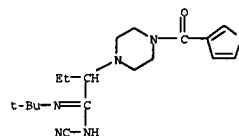
L12 ANSWER 13 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-92-0 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN 1-Piperazineethanimidamide, 4-acetyl-N'-[2-(4-morpholinyl)ethyl]-
 α-(2-phenylethyl)- (CA INDEX NAME)
 MF C23 H34 N6 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

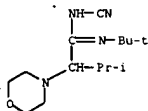
L12 ANSWER 14 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-91-9 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN 1-Piperazineethanimidamide, N-cyano-N'-(1,1-dimethylethyl)-α-ethyl-4-(3-furanylcarbonyl)- (CA INDEX NAME)
 MF C18 H27 N5 O2
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

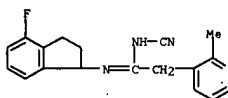
L12 ANSWER 15 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 882006-90-8 REGISTRY
 ED Entered STN: 27 Apr 2006
 CN 4-Morpholineethanimidamide, N-cyano-N'-(1,1-dimethylethyl)-α-(1-methylethyl)- (CA INDEX NAME)
 MF C14 H26 N4 O
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
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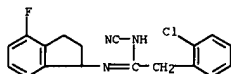
L12 ANSWER 16 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 874993-89-2 REGISTRY
 ED Entered STN: 23 Feb 2006
 CN 3-Pyridineethanimidamide, N-cyano-N'-(4-fluoro-2,3-dihydro-1H-inden-1-yl)-2-methyl- (CA INDEX NAME)
 MF C18 H17 F N4
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

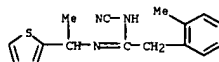
L12 ANSWER 17 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 874993-88-1 REGISTRY
 ED Entered STN: 23 Feb 2006
 CN Benzeneethanimidamide, 2-chloro-N-cyano-N'-(4-fluoro-2,3-dihydro-1H-inden-1-yl)- (CA INDEX NAME)
 MF C18 H15 Cl F N3
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

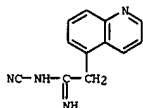
L12 ANSWER 18 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 874993-87-0 REGISTRY
 ED Entered STN: 23 Feb 2006
 CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[1-(2-thienyl)ethyl]- (CA INDEX NAME)
 MF C16 H17 N3 S
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

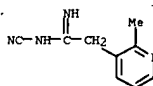
L12 ANSWER 19 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 874993-75-6 REGISTRY
 ED Entered STN: 23 Feb 2006
 CN 5-Quinolinesethanimidamide, N-cyano- (CA INDEX NAME)
 MF C12 H10 N4
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L12 ANSWER 20 OF 159 REGISTRY COPYRIGHT 2008 ACS on STN
 RN 874993-73-4 REGISTRY
 ED Entered STN: 23 Feb 2006
 CN 3-Pyridinesethanimidamide, N-cyano-2-methyl- (CA INDEX NAME)
 MF C9 H10 N4
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL

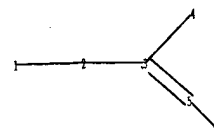
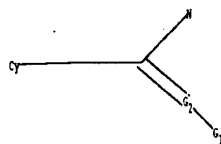


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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chain nodes :

1 5 7

ring/chain nodes :

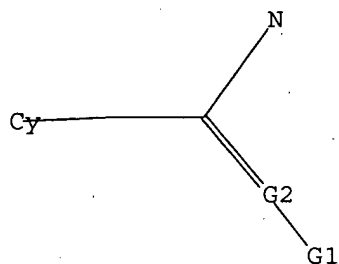
2 3 4

chain bonds :

1-2 2-3 3-4 3-5 5-7

exact/norm bonds :

1-2 3-4 3-5 5-7



G1 CN,NO2

G2 C,N,P,CS2H,CSSH,CHO,C(O)CH3,A,Ak

Structure attributes must be viewed using STN Express query preparation.

=> s 113 full

FULL SEARCH INITIATED 12:21:26 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 2874351 TO ITERATE

34.4% PROCESSED 987583 ITERATIONS

157 ANSWERS

34.8% PROCESSED 1000000 ITERATIONS

159 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.16

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

strictly prohibited.

FILE COVERS 1907 - 4 Jan 2008 VOL 148 ISS 2
FILE LAST UPDATED: 3 Jan 2008 (20080103/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

<http://www.cas.org/infopolicy.html>

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L15 12 L14

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L15 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2008 ACS ON STN

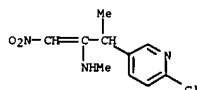
ACCESSION NUMBER: 2007:644247 CAPLUS
DOCUMENT NUMBER: 147:25346
TITLE: Activity enhancement of neonicotinoid insecticides by ammonium or phosphonium compounds
INVENTOR(S): Jeschke, Peter; Nauen, Ralf; Pontzen, Rolf; Reckmann, Udo; Marczok, Peter; Fischer, Reiner; Velten, Robert; Arnold, Christian; Sanwald, Erich
PATENT ASSIGNEE(S): Bayer CropScience A.-G., Germany
SOURCE: Ger. Offen., 22pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 102005059468	A1	20070614	DE 2005-102005059468	20051213
WO 2007068355	A1	20070621	WO 2006-EP11468	20061130

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRIORITY APPL. INFO.: DE 2005-102005059468A 20051213
AB The insecticidal activity of inhibitors of nicotinic acetylcholine receptors (for example neonicotinoids) is enhanced by addition of ammonium or phosphonium salts or quaternary ammonium salts and/or quaternary phosphonium salts. Penetration promoters, such as fatty alc. ethoxylates and mineral or vegetable oil esters, further enhance the activity.
IT 938069-24-OD, mixts. with (quaternary) ammonium or phosphonium salts
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (insecticides with enhanced activity)
RN 938069-24-0 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N,β-dimethyl-α-(nitromethylene)- (CA INDEX NAME)

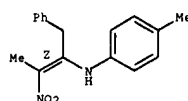


L15 ANSWER 2 OF 12 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2007:194096 CAPLUS
DOCUMENT NUMBER: 146:500589
TITLE: C-imidoylation of esters, sulfones, sulfoxides, amides and nitro compounds
AUTHOR(S): Katritzky, Alan R.; Khashab, Niveen M.; Singh, Anamika
CORPORATE SOURCE: Center for Heterocyclic Compounds, Department of Chemistry, University of Florida, Gainesville, FL, 32611-7200, USA
SOURCE: ARKIVOC (Gainesville, FL, United States) (2007), (5), 263-276
CODEN: AGFUAR
URL: http://content.arkat-usa.org/ARKIVOC/JOURNAL_CONTENT/manuscripts/2007/LT-2249HP420as420published120mainmanuscript.pdf
Arkat USA Inc.
Journal (online computer file)
English
OTHER SOURCE(S): CASREACT 146:500589

PUBLISHER: ARKAT
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 146:500589
AB C-imidoylation of esters, sulfones, sulfoxides, amides, and nitro-compds. with N-imidoylbenzotriazoles gave β-enamino esters, β-imino sulfones, β-enamino sulfoxides, β-imino amides, and α-nitro enamines resp. in good yields. Strong electron-withdrawing substituents (esters, sulfoxides, nitroethane) tended to give enamines due to increased acidity of the α-protons, while weak electron-withdrawing substituents (sulfones, amides) gave imines instead.
IT 936102-78-2P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of enamine esters, sulfoxides, imino sulfones, amides, nitroenamines via condensation of benzotriazole with amides followed by imidoylation of alkanates, sulfones, sulfoxides, phenylacetamide or nitroethane)
RN 936102-78-2 CAPLUS
CN Benzeneethanamine, N-(4-methylphenyl)-α-(1-nitroethylidene)-, (±)- (CA INDEX NAME)

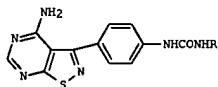
Double bond geometry as shown.



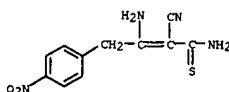
REFERENCE COUNT: 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2006:693859 CAPLUS
DOCUMENT NUMBER: 145:314939
TITLE: Isothiazolopyrimidines and isoxazolopyrimidines as novel multi-targeted inhibitors of receptor tyrosine kinases
AUTHOR(S): Ji, Zhiqin; Ahmed, Asma A.; Albert, Daniel H.; Bouska, Jennifer J.; Bousquet, Peter F.; Cunha, George A.; Glaser, Keith B.; Guo, Jun; Li, Junling; Marcotte, Patrick A.; Moskey, Maria D.; Pease, Lori J.; Stewart, Kent D.; Yates, Melinda; Davidsen, Steven K.; Michaelides, Michael R.
CORPORATE SOURCE: Global Pharmaceutical Research and Development, Abbott Laboratories, Abbott Park, IL, 60064-6100, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2006), 16(16), 4326-4330
CODEN: BMCLB; ISSN: 0960-894X
Elsevier B.V.
Journal
English
OTHER SOURCE(S): CASREACT 145:314939



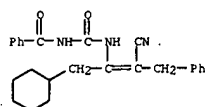
AB A series of isothiazolopyrimidines and isoxazolopyrimidines were synthesized and identified as potent KDR inhibitors. SAR studies led to isothiazolopyrimidine urea analogs that potently inhibit VEGFR tyrosine kinases (KDR enzymic and cellular IC50 values below 10 nM) as well as cKIT and TIE2. The selected compds. I [R = 3-MeC6H4, 2,5-F(Me)C6H3] display 56% and 48% oral bioavailability in mice, resp.
IT 909028-97-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of isothiazolopyrimidines and isoxazolopyrimidines as multi-targeted inhibitors of receptor tyrosine kinases)
RN 909028-97-3 CAPLUS
CN 2-Butenethioamide, 3-amino-2-cyano-4-(4-nitrophenyl)- (CA INDEX NAME)



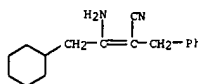
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2008 ACS ON STN

ACCESSION NUMBER: 2006:165963 CAPLUS
DOCUMENT NUMBER: 144:412131
TITLE: A high-yielding preparation of β-keto nitriles
AUTHOR(S): Ji, Yaohui; Trenkle, William C.; Vowles, James V.
CORPORATE SOURCE: Department of Chemistry, Brown University, Providence, RI, 02912, USA
SOURCE: Organic Letters (2006), 8(6), 1161-1163
CODEN: ORLEP7; ISSN: 1523-7060
American Chemical Society
Journal
English
OTHER SOURCE(S): CASREACT 144:412131
AB β-keto nitriles are important precursors for a wide variety of biol. active heterocycles. A facile procedure for the high-yielding acylation of nitrile anions with unactivated esters to provide β-keto nitriles is reported. Thus, reaction of PhCH2CH2CN with PhCO2Et in THF containing Et3Me2OH K salt at room temperature for 10 min gave 95% PhCH2CH(CN)COPh.
The procedure is successful with enolizable and nonenolizable esters as well as hindered nitrile anions.
IT 883854-15-7P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (cyclization reaction of benzoyl isocyanate with aminoacrylonitrile derivative in preparation of keto nitriles via acylation of nitrile anions with unactivated esters)
RN 883854-15-7 CAPLUS
CN Benzamide, N-[[[2-cyano-1-(cyclohexylmethyl)-3-phenyl-1-propenyl]amino]carbonyl]- (9CI) (CA INDEX NAME)

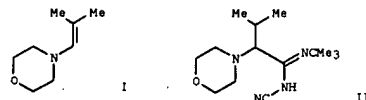


IT 883854-05-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (heterocyclization of β-amino unsatd. nitrile in preparation of β-keto nitriles via acylation of nitrile anions with unactivated esters)
RN 883854-05-5 CAPLUS
CN Benzeneethanitrile, α-(1-amino-2-cyclohexylethylidene)- (CA INDEX NAME)

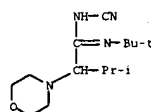


L15 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:128444 CAPLUS
 DOCUMENT NUMBER: 144:369409
 TITLE: Cyanamide in isocyanide-based MCRs
 AUTHOR(S): Doemling, Alexander; Herdtweck, Eberhardt; Heck, Stefan
 CORPORATE SOURCE: ABC Pharma, Munich, 81243, Germany
 SOURCE: Tetrahedron Letters (2006), 47(11), 1745-1747
 CODEN: TELEAY; ISSN: 0040-4039
 PUBLISHER: Elsevier B.V.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 144:369409
 GI

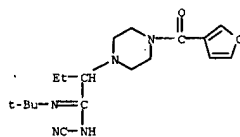


AB Cyanamide reacts with enamines and isocyanides in the presence of Lewis acids to give the hitherto unknown scaffold 2-amino-(N-cyano)-amides. Preliminary scope and limitation of this novel reaction is described. E.g., reaction of enamine I, Me3CNC, and cyanamide in MeOH gave 65% 2-amino-(N-cyano)-amidine II.
 IT 882006-90-8P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (preparation of 2-amino-(N-cyano)-amides by reaction of cyanamide with enamines and isocyanides)
 RN 882006-90-8 CAPLUS
 CN 4-Morpholineethanimidamide, N-cyano-N'-(1,1-dimethylethyl)-a-(1-methylethyl)- (CA INDEX NAME)

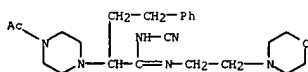


IT 882006-91-9P 882006-92-0P 882006-93-1P
 882006-94-2P
 RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of 2-amino-(N-cyano)-amides by reaction of cyanamide with enamines and isocyanides)
 RN 882006-91-9 CAPLUS
 CN 1-Piperazineethanimidamide, N-cyano-N'-(1,1-dimethylethyl)-a-ethyl-4-(3-furanylcarbonyl)- (CA INDEX NAME)

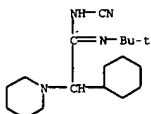
L15 ANSWER 5 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



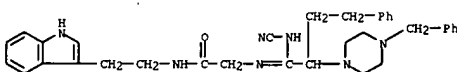
RN 882006-92-0 CAPLUS
 CN 1-Piperazineethanimidamide, 4-acetyl-N-cyano-N'-(2-(4-morpholinyl)ethyl)-a-(2-phenylethyl)- (CA INDEX NAME)



RN 882006-93-1 CAPLUS
 CN 1-Piperidineethanimidamide, N-cyano-a-cyclohexyl-N'-(1,1-dimethylethyl)- (CA INDEX NAME)



RN 882006-94-2 CAPLUS
 CN Acetamide, 2-[[1-(cyanoamino)-4-phenyl-2-[4-(phenylmethyl)-1-piperazinyl]butylidene]amino]-N-[2-(1H-indol-3-yl)ethyl]- (CA INDEX NAME)



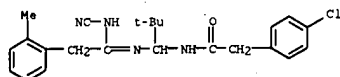
REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2006:103473 CAPLUS
 DOCUMENT NUMBER: 144:191975
 TITLE: Preparation of aryl cyanoamides as P2X7 antagonists for the treatment of pain, inflammation, and neurodegeneration.
 INVENTOR(S): Carroll, William A.; Perez-Medrano, Arturo; Peddi, Sridhar; Florjancic, Alan S.
 PATENT ASSIGNEE(S): Abbott Laboratories, USA
 SOURCE: U.S. Pat. Appl. Publ., 30 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

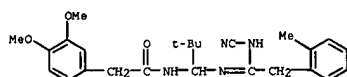
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2006025614	A1	20060202	US 2004-909502	20040802
US 7241776	B2	20070710		
WO 2006017406	A1	20060216	WO 2005-US27115	20050729

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 US 2007232686 A1 20071004 US 2007-750633 20070518
 PRIORITY APPL. INFO.: US 2004-909502 A 20040802
 OTHER SOURCE(S): CASREACT 144:191975; MARPAT 144:191975
 AB Title compds. e.g. R2R1C1(NCN)NR6CHR3NR7COR4R5 [R1 = bond, alkylene, alkenylene, alkynylene; R2 = (substituted) aryl, heteroaryl; R3 = alkyl, haloalkyl; R4 = alkylene; R5 = halo, (substituted) aryl, heteroaryl; R6, R7 = H, alkyl], were prepared. Thus, N-[1-(1H-1,2,3-benzotriazol-1-yl)-2,2-dimethylpropyl]-2-phenylacetamide (preparation given), N'-cyano-2-(2-methylphenyl)ethanimidamide (preparation given), and Cs2CO3 were stirred together for 10 h in MeCN to give N-[1-(1H-cyano-2-(2-methylphenyl)ethanimidoyl)amino]-2,2-dimethylpropyl-2-phenylacetamide. Representative title compds. showed P2X7 antagonist activity with IC50 ≤10 μM.
 IT 874993-05-2P 874993-06-3P 874993-07-4P 874993-08-5P 874993-09-6P 874993-10-9P 874993-11-0P 874993-12-1P 874993-13-2P 874993-14-3P 874993-15-4P 874993-16-5P 874993-18-7P 874993-19-8P 874993-20-1P 874993-21-2P 874993-22-3P 874993-23-4P 874993-24-5P 874993-25-6P 874993-26-7P 874993-29-0P 874993-30-3P 874993-31-4P 874993-32-5P 874993-33-6P 874993-34-7P 874993-35-8P 874993-36-9P 874993-37-0P 874993-38-1P 874993-39-2P 874993-40-5P 874993-41-6P 874993-43-8P 874993-44-9P 874993-45-0P 874993-46-1P 874993-47-2P 874993-48-3P 874993-49-4P 874993-50-7P 874993-51-8P 874993-52-9P 874993-53-0P

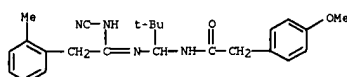
L15 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 874993-54-1P 874993-55-2P 874993-56-3P
 874993-57-4P 874993-58-5P 874993-59-6P
 874993-60-9P 874993-61-0P 874993-62-1P
 874993-63-2P 874993-64-3P 874993-65-4P
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (claimed compd.; prepn. of aryl cyanoamides as P2X7 antagonists for the treatment of pain, inflammation, and neurodegeneration)
 RN 874993-05-2 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]- (CA INDEX NAME)



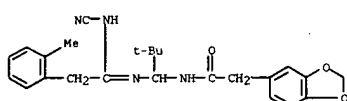
RN 874993-06-3 CAPLUS
 CN Benzeneacetamide, N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]-3,4-dimethoxy- (CA INDEX NAME)



RN 874993-07-4 CAPLUS
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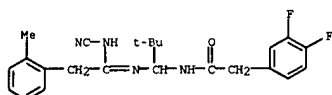


RN 874993-08-5 CAPLUS
 CN 1,3-Benzodioxole-5-acetamide, N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]- (CA INDEX NAME)

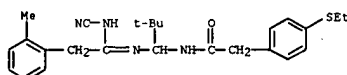


RN 874993-09-6 CAPLUS

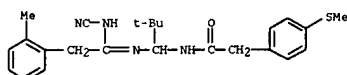
L15 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



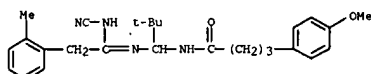
RN 874993-13-2 CAPLUS
 CN Benzeneacetamide, N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]-4-(ethylthio)- (CA INDEX NAME)



RN 874993-14-3 CAPLUS
 CN Benzeneacetamide, N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]-4-(methylthio)- (CA INDEX NAME)

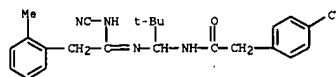


RN 874993-15-4 CAPLUS
 CN Benzenebutanamide, N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]-4-methoxy- (CA INDEX NAME)

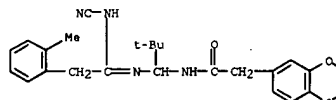


RN 874993-16-5 CAPLUS
 CN Benzenepentanamide, N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]- (CA INDEX NAME)

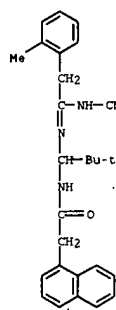
L15 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 CN Benzeneacetamide, 4-cyano-N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]- (CA INDEX NAME)



RN 874993-10-9 CAPLUS
 CN 1,4-Benzodioxin-6-acetamide, N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]-2,3-dihydro- (CA INDEX NAME)

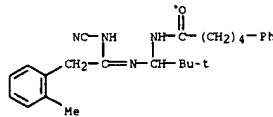


RN 874993-11-0 CAPLUS
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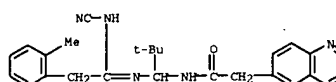


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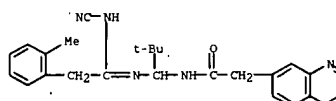
L15 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)



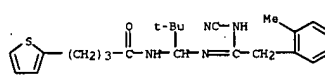
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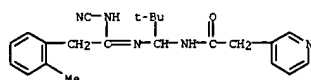
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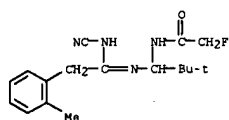
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 CN 2-Thiophenebutanamide, N-[1-[[1-(cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]- (CA INDEX NAME)



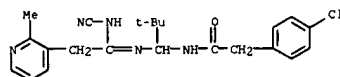
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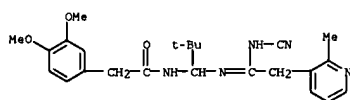
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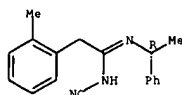
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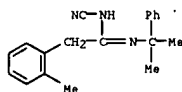
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RN 874993-25-6 CAPLUS
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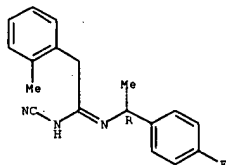


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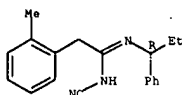
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Absolute stereochemistry.

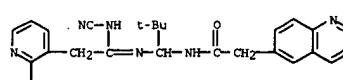


RN 874993-32-5 CAPLUS
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Absolute stereochemistry.

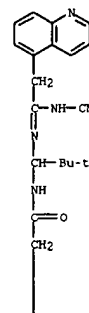


RN 874993-33-6 CAPLUS
CN Benzeneethanimidamide, N-cyano-N'-(1-(2-fluorophenyl)ethyl)-2-methyl- (CA INDEX NAME)



RN 874993-26-7 CAPLUS
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PAGE 1-A



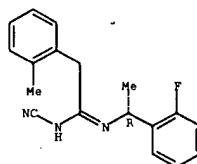
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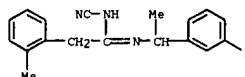
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Absolute stereochemistry.

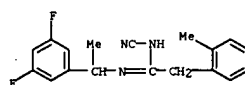
Absolute stereochemistry.



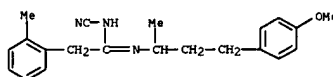
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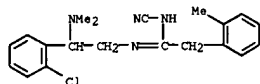
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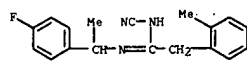
RN 874993-36-9 CAPLUS
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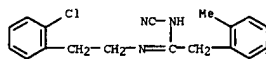
RN 874993-37-0 CAPLUS
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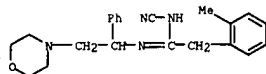
RN 874993-38-1 CAPLUS
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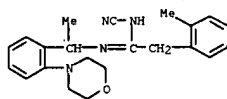
RN 874993-39-2 CAPLUS
CN Benzeneethanimidamide, N-[2-(2-chlorophenyl)ethyl]-N'-cyano-2-methyl- (CA INDEX NAME)



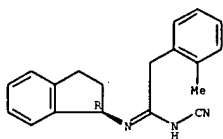
RN 874993-40-5 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[2-(4-morpholinyl)-1-phenylethyl]- (CA INDEX NAME)



RN 874993-41-6 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[1-[2-(4-morpholinyl)phenyl]ethyl]- (CA INDEX NAME)

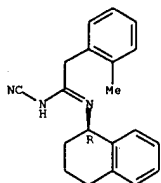


RN 874993-43-8 CAPLUS
CN Benzeneethanimidamide, N-cyano-N'-[1-(3,5-difluorophenyl)ethyl]-2-(trifluoromethyl)- (CA INDEX NAME)

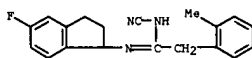


RN 874993-48-3 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[(1R)-1,2,3,4-tetrahydro-1-naphthalenyl]- (CA INDEX NAME)

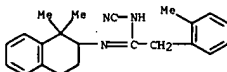
Absolute stereochemistry.



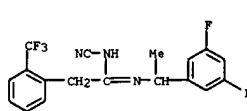
RN 874993-49-4 CAPLUS
CN Benzeneethanimidamide, N-cyano-N'-[(5R)-5-fluoro-2,3-dihydro-1H-inden-1-yl]-2-methyl- (CA INDEX NAME)



RN 874993-50-7 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[(1R)-1,2,3,4-tetrahydro-1,1-dimethyl-2-naphthalenyl]- (CA INDEX NAME)

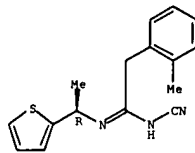


RN 874993-51-8 CAPLUS
CN Benzeneethanimidamide, N-(4-chloro-2,3-dihydro-1H-inden-1-yl)-N'-cyano-2-methyl- (CA INDEX NAME)

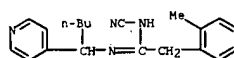


RN 874993-44-9 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[(1R)-1-(2-thienyl)ethyl]- (CA INDEX NAME)

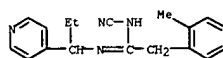
Absolute stereochemistry.



RN 874993-45-0 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[1-(4-pyridinyl)pentyl]- (CA INDEX NAME)

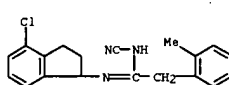


RN 874993-46-1 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[1-(4-pyridinyl)propyl]- (CA INDEX NAME)



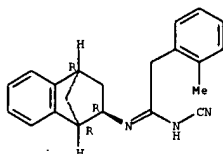
RN 874993-47-2 CAPLUS
CN Benzeneethanimidamide, N-cyano-N'-[(1R)-2,3-dihydro-1H-inden-1-yl]-2-methyl- (CA INDEX NAME)

Absolute stereochemistry.



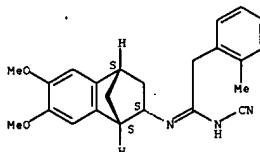
RN 874993-52-9 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[(1R,2R,4R)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-2-yl]- (CA INDEX NAME)

Absolute stereochemistry.



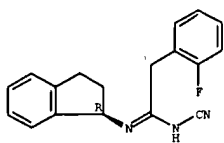
RN 874993-53-0 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[(1S,2S,4S)-1,2,3,4-tetrahydro-6,7-dimethoxy-1,4-methanonaphthalen-2-yl]- (CA INDEX NAME)

Absolute stereochemistry.

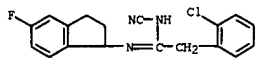


RN 874993-54-1 CAPLUS
CN Benzeneethanimidamide, N-cyano-N'-[(1R)-2,3-dihydro-1H-inden-1-yl]-2-fluoro- (CA INDEX NAME)

Absolute stereochemistry.

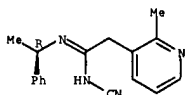


RN 874993-55-2 CAPLUS
CN Benzeneethanimidamide, 2-chloro-N-cyano-N'-(5-fluoro-2,3-dihydro-1H-inden-1-yl)- (CA INDEX NAME)

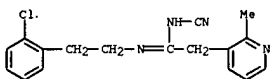


RN 874993-56-3 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-2-methyl-N'-[(1R)-1-phenylethyl]- (CA INDEX NAME)

Absolute stereochemistry.

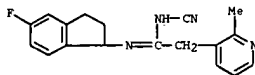


RN 874993-57-4 CAPLUS
CN 3-Pyridineethanimidamide, N-(2-(2-chlorophenyl)ethyl)-N'-cyano-2-methyl- (CA INDEX NAME)



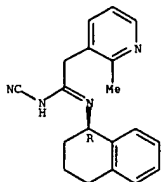
RN 874993-58-5 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-2-methyl-N'-[(1R)-1-phenylpropyl]- (CA INDEX NAME)

Absolute stereochemistry.



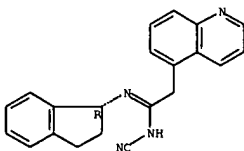
RN 874993-63-2 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-2-methyl-N'-[(1R)-1,2,3,4-tetrahydro-1-naphthalenyl]- (CA INDEX NAME)

Absolute stereochemistry.



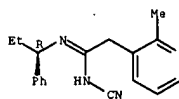
RN 874993-64-3 CAPLUS
CN 5-Quinolineethanimidamide, N-cyano-N'-[(1R)-2,3-dihydro-1H-inden-1-yl]- (CA INDEX NAME)

Absolute stereochemistry.

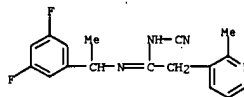


RN 874993-65-4 CAPLUS
CN 5-Quinolineethanimidamide, N-cyano-N'-[(1S)-2,3-dihydro-1H-inden-1-yl]- (CA INDEX NAME)

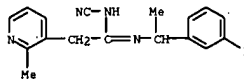
Absolute stereochemistry.



RN 874993-59-6 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-N'-[1-(3,5-difluorophenyl)ethyl]-2-methyl- (CA INDEX NAME)

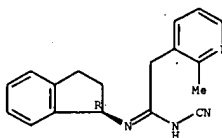


RN 874993-60-9 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-N'-[1-(3-fluorophenyl)ethyl]-2-methyl- (CA INDEX NAME)

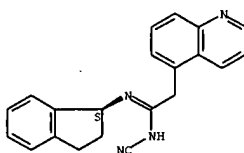


RN 874993-61-0 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-N'-[(1R)-2,3-dihydro-1H-inden-1-yl]-2-methyl- (CA INDEX NAME)

Absolute stereochemistry.

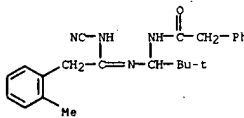


RN 874993-62-1 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-N'-[(1R)-2,3-dihydro-1H-inden-1-yl]-2-methyl- (CA INDEX NAME)

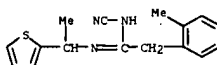


IT 874993-66-5P 874993-87-0P 874993-88-1P
874993-89-2P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of aryl cyanoamides as P2X7 antagonists for the treatment of pain, inflammation, and neurodegeneration)

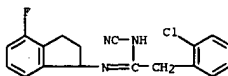
RN 874993-66-5 CAPLUS
CN Benzeneacetamide, N-[1-[(1-cyanoamino)-2-(2-methylphenyl)ethylidene]amino]-2,2-dimethylpropyl]- (CA INDEX NAME)



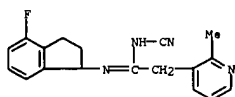
RN 874993-87-0 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl-N'-[1-(2-thienyl)ethyl]- (CA INDEX NAME)



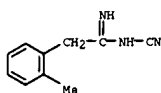
RN 874993-88-1 CAPLUS
CN Benzeneethanimidamide, 2-chloro-N-cyano-N'-[(4-fluoro-2,3-dihydro-1H-inden-1-yl)- (CA INDEX NAME)



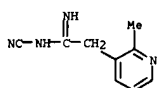
RN 874993-89-2 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-N'-(4-fluoro-2,3-dihydro-1H-inden-1-yl)-2-methyl- (CA INDEX NAME)



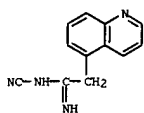
IT 874993-68-7P 874993-73-4P 874993-75-6P
RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of aryl cyanoamidines as P2X7 antagonists for the treatment of pain, inflammation, and neurodegeneration)
RN 874993-68-7 CAPLUS
CN Benzeneethanimidamide, N-cyano-2-methyl- (CA INDEX NAME)



RN 874993-73-4 CAPLUS
CN 3-Pyridineethanimidamide, N-cyano-2-methyl- (CA INDEX NAME)



RN 874993-75-6 CAPLUS
CN 5-Quinolineethanimidamide, N-cyano- (CA INDEX NAME)



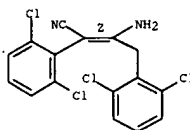
REFERENCE COUNT: 45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR THIS

ACCESSION NUMBER: 2005:1094893 CAPLUS
DOCUMENT NUMBER: 144:31624
TITLE: Double-Stranded Metal-Organic Networks for One-Dimensional Mixed Valence Coordination Polymers
AUTHOR(S): Robertson, Daniel; Cannon, John F.; Gerasimchuk, Nikolay
CORPORATE SOURCE: Department of Chemistry, Southwest Missouri State University, Springfield, MO, 65804, USA
SOURCE: Inorganic Chemistry (2005), 44(23), 8326-8342
CODEN: INOCAJ; ISSN: 0020-1669
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 144:31624
AB The design of new types of metal-organic networks and the search for unusual crystal architecture represents an important task for modern inorg. and materials chemical research. A group of new monosubstituted phenylcyanoximes, containing F, Cl, and Br atoms at the 2, 3, or 4 positions,

were synthesized using the high yield nitrosation reaction with CH₃-ONO and were spectroscopically (1H NMR, 13C NMR, UV-visible, IR, mass spectrometry) and structurally characterized. Results of x-ray anal. revealed nonplanar trans-anti geometry for 2-chlorophenyl(oximino)acetone nitrile, H(2Cl-PhCO); a nonplanar anti configuration for 4-chlorophenyl(oximino)acetone nitrile, H(4Cl-PhCO); and planar cis-syn geometry for 3-fluorophenyl(oximino)acetone nitrile, H(3F-PhCO). All arylcyanoximes undergo deprotonation in solids, with the formation of colored anions exhibiting pronounced neg. solvatochromism in polar protic and aprotic solvents. Nine Tl(I) cyanoximates were obtained using the reaction between hot (approx. 95°) aqueous solns. of Tl₂CO₃ and solid powdery monohalogenated arylcyanoximes HL. Crystal structures of two Tl(I) cyanoximates [Tl(2Cl-PhCO) and Tl(4Br-PhCO)] contained centrosym. dimeric units [Tl₂] that are connected to a coordination polymer by an O atom of the oxime group of the neighboring H₂O. Cyanoxime anions act as bridging ligands in both structures where the polymeric motif consists of double-stranded Tl-O chains interconnected with the formation of zigzagging Tl₂O₂ planar rhombes. Tl atoms form infinite linear arrays with close intermetallic sepns. The nearest Tl(I)··· Tl(I) distances are 3.838 and 4.058 Å in the Tl(2Cl-PhCO) and Tl(4Br-PhCO) structures, resp., close to that in metallic Tl (3.456 Å). Monosubstituted Ph groups are well aligned in π-stacking columns that are perpendicular to the array of Tl(I) atoms and stabilize formed structures. Coordination polyhedrons of Tl(I) in these complexes represent distorted trigonal pyramids with stereoactive lone pair.

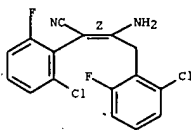
IT 870619-97-9 870619-99-1
RI: FMU (Formation, unclassified); FORM (Formation, nonpreparative)
(Thorpe condensation product from attempted nitrosation of dihalophenylacetone nitrile with poor quality alkyl nitrite)
RN 870619-97-9 CAPLUS
CN Benzeneacetone nitrile, α-[1-amino-2-(2,6-dichlorophenyl)ethylidene]-2,6-dichloro-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



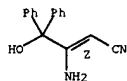
RN 870619-99-1 CAPLUS
CN Benzeneacetone nitrile, α-[1-amino-2-(2-chloro-6-fluorophenyl)ethylidene]-2-chloro-6-fluoro-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 184 THERE ARE 184 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2005:359325 CAPLUS
 DOCUMENT NUMBER: 144:88091
 TITLE: Cyanoacetylene and its derivatives. Part XXXII.
 Addition of ammonia and methylamine to
 4-hydroxy-4,4-diphenyl-2-butenitrile
 AUTHOR(S): Mal'kina, A. G.; Sokolyanskaya, L. V.; Kudyakova, R.
 N.; Sinegovskaya, L. M.; Albanov, A. I.; Shemyakina,
 O. A.; Trofimov, B. A.
 CORPORATE SOURCE: Favorskii Irkutsk Institute of Chemistry, Siberian
 Division, Russian Academy of Sciences, Irkutsk,
 664033, Russia
 SOURCE: Russian Journal of Organic Chemistry (2005), 41(1),
 61-66
 CODEN: RJOCEQ; ISSN: 1070-4280
 PUBLISHER: Pleiades Publishing, Inc.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 144:88091
 AB Nucleophilic addition of 25% aqueous NH₃ and MeNH₂ to
 4-hydroxy-4,4-diphenyl-2-
 butenenitrile occurs under mild conditions to afford 4-amino- or
 4-methylamino-2,5-dihydro-5,5-diphenyl-2-iminofurans.
 4-Hydroxy-4,4-diphenyl-2-butenitrile in anhydrous liquid NH₃ gives rise to
 3-amino-4-hydroxy-4,4-diphenyl-2-butenitrile which is quant. converted
 into the corresponding iminodihydrofuran or iminodihydrofuran.HCl in the
 presence of 10 wt% of KOH or gaseous HCl. 4-Amino- and
 4-methylamino-2-iminofurans react with 4-hydroxy-4-methyl-2-pentenenitrile
 to give 3-(4-amino- and 4-methylamino-5,5-diphenyl-2,5-dihydrofuran-2-
 ylideneamino)-4-hydroxy-4-methyl-2-pentenitriles.
 IT 872494-14-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of iminodihydrofurans by addition of ammonia and
 methylamine to
 hydroxydiphenylbutenenitrile)
 RN 872494-14-9 CAPLUS
 CN 2-Butenenitrile, 3-amino-4-hydroxy-4,4-diphenyl-, (2Z)- (CA INDEX NAME)
 Double bond geometry as shown.



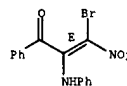
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:566527 CAPLUS
 DOCUMENT NUMBER: 141:101553
 TITLE: Preparation of insecticidal, acaricidal and
 nematocidal pyridine derivatives
 INVENTOR(S): Benko, Zoltan Laszlo; Deamicis, Carl Vincent; Demeter,
 David Anthony; Markley, Lowell Dean; Samaritoni, Jack
 Geno; Schmidt, Carrie Lynn Rau; Zhu, Yuanning;
 Erickson, W. Randal; Anzeveno, Peter Biagio; Pechacek,
 James Todd; Watson, Gerald Bryan; Deboer, Gerrit Jan;
 Sheets, Joel Jay; Zabik, Susan Erhardt; Yerkes, Carla
 Nanette; Schobert, Christian Thomas; Drripps, James
 Edwin; Dintenfass, Leonard Paul; Karr, Laura Lee;
 Neeze, Paul Allen; Huang, Jim Xinpei; Gifford, James
 Michael
 PATENT ASSIGNEE(S): Dow Agrosciences LLC, USA
 SOURCE: PCT Int. Appl., 80 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004057960	A2	20040715	WO 2003-US41067	20031219
WO 2004057960	A3	20041104		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GG, GW, ML, MR, NE, SN, TD, TG				
AU 2003033336	A1	20040722	AU 2003-303336	20031219
EP 1572656	A2	20050514	EP 2003-808550	20031219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 2006063741	A1	20060323	US 2005-535653	20050519
PRIORITY APPLN. INFO.: US 2002-435928P P 20021220				
WO 2003-US41067 W 20031219				

OTHER SOURCE(S): MARPAT 141:101553
 AB The compounds QCR1R2C(X)NR3R4 [Q = carbocyclyl or heterocyclyl, preferably
 pyridyl; X = N, CR, COR, CSOR; NR2, etc.; R1-5 = (cyclo)alkyl,
 (cyclo)alkenyl, alkoxy, aryl, etc.; n = 0, 1 or 2; Z = CN or NO₂; R1CR2 =
 carbocyclyl or heterocyclyl] are prepared as insecticide, acaricide or
 nematocides.
 IT 717106-20-2P 717106-21-3P 717106-22-4P
 717106-23-5P 717106-24-6P 717106-25-7P
 717106-26-8P 717106-27-9P 717106-28-0P
 717106-29-1P 717106-30-4P 717106-31-5P
 717106-32-6P 717106-33-7P 717106-34-8P
 717106-35-9P 717106-36-0P 717106-37-1P
 717106-38-2P 717106-39-3P 717106-40-6P
 717106-41-7P 717106-42-8P 717106-43-9P
 717106-44-0P 717106-45-1P 717106-46-2P
 717106-47-3P 717106-48-4P 717106-49-5P
 717106-50-8P 717106-51-9P 717106-52-0P

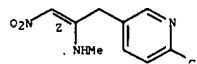
L15 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:892690 CAPLUS
 DOCUMENT NUMBER: 142:392133
 TITLE: Preparation of 2-benzoyl-1-bromo-1-nitroethene
 AUTHOR(S): Sadikov, K. D.; Litovchenko, K. M.; Makarenko, S. V.;
 Berestovitskaya, V. M.
 CORPORATE SOURCE: Herzen Russian State Pedagogical University, St.
 Petersburg, 191186, Russia
 SOURCE: Russian Journal of Organic Chemistry (Translation of
 Zhurnal Organicheskoi Khimii) (2004), 40(8), 1219-1220
 CODEN: RJOCEQ; ISSN: 1070-4280
 PUBLISHER: MAIK Nauka/Interperiodica Publishing
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S): CASREACT 142:392133
 AB 2-Benzoyl-1-bromo-1-nitroethene (I) is prepared in 2 stages: bromination of
 2-benzoyl-1-nitroethene (II) and subsequent dehydrobromination of the
 addition product, 2-benzoyl-1,2-dibromo-1-nitroethene (III). The reaction
 of
 II with a double excess of Br in glacial acetic acid or CCl₄ afforded the
 dibromide III. Yield was best (65%) in CCl₄. Dehydrohalogenation of III
 in CCl₄ was conducted with Et₃N within 1 h at room temperature. Compound I
 was
 isolated in 63% yield as light-yellow crystals (mp. 25-26°).
 Nitroenamine was also prepared directly from dibromide III or I by reaction
 with aniline.
 IT 849729-61-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of 2-benzoyl-1-bromo-1-nitroethene and
 2-anilino-2-benzoyl-1-
 nitroethene)
 RN 849729-61-9 CAPLUS
 CN 2-Propen-1-one, 3-bromo-3-nitro-1-phenyl-2-(phenylamino)-, (2E)- (CA
 INDEX NAME)
 Double bond geometry as shown.



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

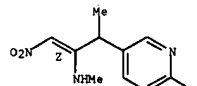
L15 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2008 ACS on STN (Continued)
 717106-53-1P 717106-54-2P 717106-55-3P
 717106-56-4P 717106-57-5P 717106-58-6P
 717106-60-0P 717106-61-1P 717106-62-2P
 717106-63-3P 717106-64-4P 717106-65-5P
 717106-67-7P 717106-68-8P 717106-69-9P
 717106-70-0P
 RL: AGR (Agricultural use); BUU (Biological use, unclassified); SPN
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES
 (Uses)
 (prepn. as insecticide, acaricide and nematocides)
 RN 717106-20-2 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N-methyl-α-(nitromethylene)-,
 (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



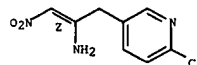
RN 717106-21-3 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-N,β-dimethyl-α-(nitromethylene)-,
 (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



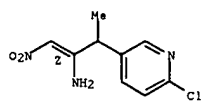
RN 717106-22-4 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-α-(nitromethylene)-, (αZ)- (CA
 INDEX NAME)

Double bond geometry as shown.



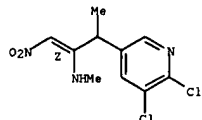
RN 717106-23-5 CAPLUS
 CN 3-Pyridineethanamine, 6-chloro-β-methyl-α-(nitromethylene)-,
 (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



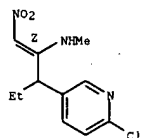
RN 717106-24-6 CAPLUS
CN 3-Pyridineethanamine, 5,6-dichloro-N,β-dimethyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



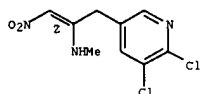
RN 717106-25-7 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-ethyl-N-methyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



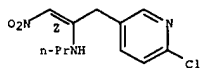
RN 717106-26-8 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-ethyl-N-methyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



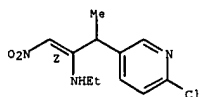
RN 717106-31-5 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-α-(nitromethylene)-N-propyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



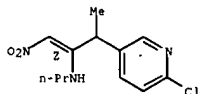
RN 717106-32-6 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-ethyl-β-methyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



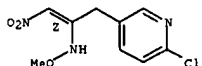
RN 717106-33-7 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-methyl-α-(nitromethylene)-N-propyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



RN 717106-34-8 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-methoxy-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

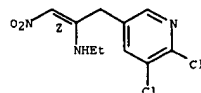
Double bond geometry as shown.



RN 717106-35-9 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-(2,2-dimethoxyethyl)-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

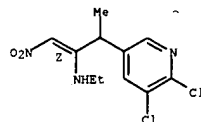
RN 717106-27-9 CAPLUS
CN 3-Pyridineethanamine, 5,6-dichloro-N-ethyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



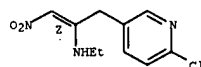
RN 717106-28-0 CAPLUS
CN 3-Pyridineethanamine, 5,6-dichloro-N-ethyl-β-methyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



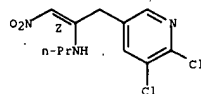
RN 717106-29-1 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-ethyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.

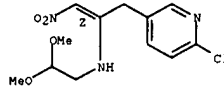


RN 717106-30-4 CAPLUS
CN 3-Pyridineethanamine, 5,6-dichloro-α-(nitromethylene)-N-propyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.

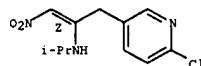


Double bond geometry as shown.



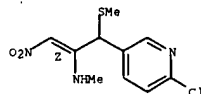
RN 717106-36-0 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-(1-methylethyl)-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



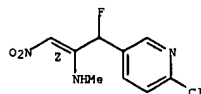
RN 717106-37-1 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-methyl-β-(methylthio)-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



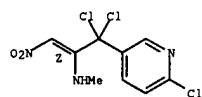
RN 717106-38-2 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-fluoro-N-methyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



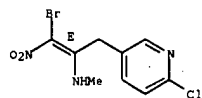
RN 717106-39-3 CAPLUS
CN 3-Pyridineethanamine, β,β,6-trichloro-N-methyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



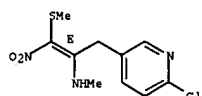
RN 717106-40-6 CAPLUS
CN 3-Pyridineethanamine, α -(bromomethyl)-6-chloro-N-methyl-, (aE)- (CA INDEX NAME)

Double bond geometry as shown.



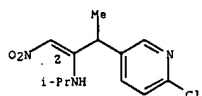
RN 717106-41-7 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-methyl- α -(methylthio)nitromethylene-, (aE)- (CA INDEX NAME)

Double bond geometry as shown.



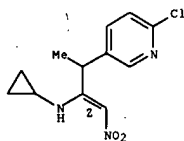
RN 717106-42-8 CAPLUS
CN 3-Pyridineethanamine, 6-chloro- β -methyl-N-(1-methylethyl)- α -(nitromethylene)-, (aZ)- (CA INDEX NAME)

Double bond geometry as shown.



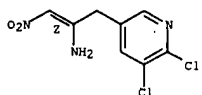
RN 717106-43-9 CAPLUS
CN 3-Pyridineethanamine, 6-chloro- α -(nitromethylene)-N-(phenylmethyl)-, (aZ)- (CA INDEX NAME)

Double bond geometry as shown.



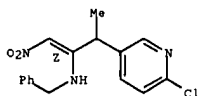
RN 717106-47-3 CAPLUS
CN 3-Pyridineethanamine, 5,6-dichloro- α -(nitromethylene)-, (aZ)- (CA INDEX NAME)

Double bond geometry as shown.



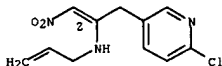
RN 717106-48-4 CAPLUS
CN 3-Pyridineethanamine, 6-chloro- β -methyl- α -(nitromethylene)-N-(phenylmethyl)-, (aZ)- (CA INDEX NAME)

Double bond geometry as shown.

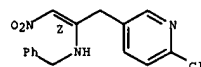


RN 717106-49-5 CAPLUS
CN 3-Pyridineethanamine, 6-chloro- α -(nitromethylene)-N-2-propenyl-, (aZ)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.

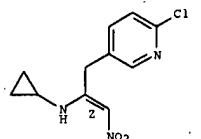


RN 717106-50-8 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-(2-methylpropyl)- α -(nitromethylene)-, (aZ)- (CA INDEX NAME)



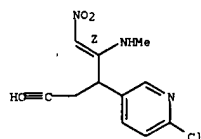
RN 717106-44-0 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-cyclopropyl- α -(nitromethylene)-, (aZ)- (CA INDEX NAME)

Double bond geometry as shown.



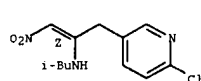
RN 717106-45-1 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-methyl- α -(nitromethylene)- β -2-propenyl-, (aZ)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



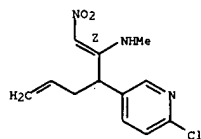
RN 717106-46-2 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-cyclopropyl- β -methyl- α -(nitromethylene)-, (aZ)- (CA INDEX NAME)

Double bond geometry as shown.



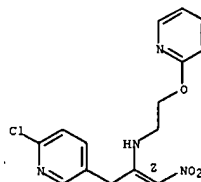
RN 717106-51-9 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-methyl- α -(nitromethylene)- β -2-propenyl-, (aZ)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



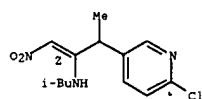
RN 717106-52-0 CAPLUS
CN 3-Pyridineethanamine, 6-chloro- α -(nitromethylene)-N-[2-(2-pyridinyloxy)ethyl]-, (aZ)- (CA INDEX NAME)

Double bond geometry as shown.



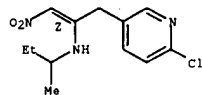
RN 717106-53-1 CAPLUS
CN 3-Pyridineethanamine, 6-chloro- β -methyl-N-(2-methylpropyl)- α -(nitromethylene)-, (aZ)- (CA INDEX NAME)

Double bond geometry as shown.



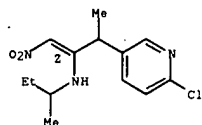
RN 717106-54-2 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-(1-methylpropyl)-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



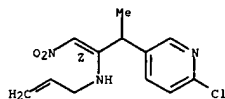
RN 717106-55-3 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-methyl-N-(1-methylpropyl)-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.

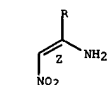
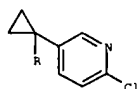


RN 717106-56-4 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-methyl-N-(1-methylpropyl)-α-(nitromethylene)-N-2-propenyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.

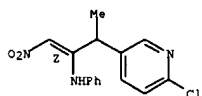


RN 717106-57-5 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-α-(nitromethylene)-β-propyl-, (αZ)- (CA INDEX NAME)



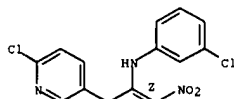
RN 717106-62-2 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-β-methyl-α-(nitromethylene)-N-phenyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



RN 717106-63-3 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-(3-chlorophenyl)-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

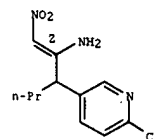
Double bond geometry as shown.



RN 717106-64-4 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-(3-chlorophenyl)-β-methyl-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

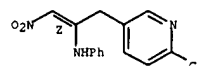
Double bond geometry as shown.

Double bond geometry as shown.



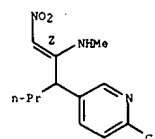
RN 717106-58-6 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-α-(nitromethylene)-N-phenyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



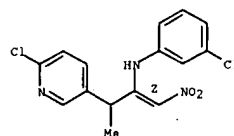
RN 717106-60-0 CAPLUS
CN 3-Pyridineethanamine, 6-chloro-N-methyl-α-(nitromethylene)-β-propyl-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



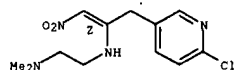
RN 717106-61-1 CAPLUS
CN Cyclopropanemethanamine, 1-(6-chloro-3-pyridinyl)-α-(nitromethylene)-, (αZ)- (CA INDEX NAME)

Double bond geometry as shown.



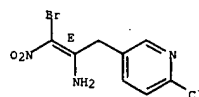
RN 717106-65-5 CAPLUS
CN 1,2-Ethanediamine, N'-[(1Z)-1-[(6-chloro-3-pyridinyl)methyl]-2-nitroethenyl]-N,N-dimethyl-, (9CI) (CA INDEX NAME)

Double bond geometry as shown.



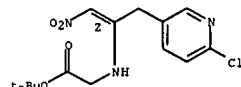
RN 717106-67-7 CAPLUS
CN 3-Pyridineethanamine, α-(bromonitromethylene)-6-chloro-, (αE)- (CA INDEX NAME)

Double bond geometry as shown.

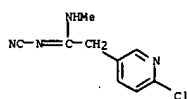


RN 717106-68-8 CAPLUS
CN Glycine, N'-[(1Z)-1-[(6-chloro-3-pyridinyl)methyl]-2-nitroethenyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)

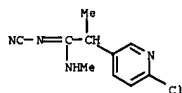
Double bond geometry as shown.



RN 717913-04-7 CAPLUS
CN 3-Pyridineethanimidamide, 6-chloro-N'-cyano-N-methyl-, [C(2)]- (9CI) (CA INDEX NAME)



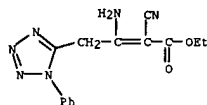
RN 717913-05-8 CAPLUS
CN 3-Pyridineethanimidamide, 6-chloro-N',alpha-dimethyl-, [C(2)]-(9C1) (CA INDEX NAME)



ACCESSION NUMBER: 2004:204642 CAPLUS
DOCUMENT NUMBER: 142:56200
TITLE: Product class 30: tetrazoles
AUTHOR(S): Brigas, A. F.
CORPORATE SOURCE: Universidade Algarve UCEH, Faro, 8000, Port.
SOURCE: Science of Synthesis (2004), 13, 861-915
CODEN: SSCVJ9
PUBLISHER: Georg Thieme Verlag
DOCUMENT TYPE: Journal: General Review
LANGUAGE: English

AB A review. Methods of preparing tetrazoles are reviewed including cyclization, ring transformation, aromatization, and substituent modification.
IT 803739-53-9P
RL: SPN (Synthetic preparation); PREP (Preparation) (preparation of tetrazoles via cyclization, ring transformation, aromatization, and substituent modification)

RN 803739-53-9 CAPLUS
CN 2-Butenoic acid, 3-amino-2-cyano-4-(1-phenyl-1H-tetrazol-5-yl)-, ethyl ester (CA INDEX NAME)



REFERENCE COUNT: 307 THERE ARE 307 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

ACCESSION NUMBER: 1932:11638 CAPLUS
DOCUMENT NUMBER: 26:11638
ORIGINAL REFERENCE NO.: 26:1239f-1,1240a-f
TITLE: Ketimide-enamine tautomerism. III. Chemical and spectrochemical methods of determining structure
v. Auwers, K.; Wunderling, H.
Berichte der Deutschen Chemischen Gesellschaft [Abteilung] B: Abhandlungen (1931), 64B, 2758-67
CODEN: BDCRAD; ISSN: 0365-9488
JOURNAL
DOCUMENT TYPE: Unavailable
LANGUAGE: Unavailable

GI For diagram(s), see printed CA Issue.
AB The starting materials in the long series of Thorpe's investigations on substances capable of ketimide-enamine tautomerism were various cyano compds. which under the influence of Na alcoholates condense with themselves or with other substances, generally with formation of open-chain compds. which can subsequently be converted into cyclic compds. by means of concentrated H2SO4. Thus, from NCCHNaCO2Et and PhCH2CN was obtained

Et 1,3-diamino-2-naphthoate (I) to which, because of its golden yellow color, T. assigned the diimide structure (II), while to the colorless acid he gave the diamino structure (H2N)2C10H5CO2H. He assumed a similar difference between the "yellow" ester (III) of 1,3-dihydroxy-2-naphthoic acid (IV) and the "colorless" acid (Metzner, the discoverer of these compds., describes both as being "yellowish"). In view of the ease with which hydroaromatic changes into aromatic compds. whenever possible, v. A. and W. undertook to determine the structure of I and III spectrochemically. Ketones of the type PhCOAlk normally show ERef. about 0.5 and EEDisp. 28% and when they are converted by ring closure into alpha-tetralone-like compds. these values increase somewhat (e. g., 0.73 and 40%, resp., for alpha-tetralone itself). III, if it had the diketone structure, should show exaltations of a similar order of magnitude (at least, they should not exceed 1.0 and 50%), but detns. made in alpha-C10H7Me gave values for E of 3.07, 3.37 and 213% for alpha, D and beta when calculated on the basis of the diketone structure, and 2.24, 2.51, 169% on the basis of the di-HO structure; the latter values agree well with those of Krollpfeiffer on C10H8 derivs. The free acid could not be studied because of its low solubility in all suitable solvents. Similarly, from observations of Moureu and Mignonaud, E for imides of the type PhC(=NH)Alk is 0.5, and diimides of type II might be expected to show an exaltation of 0.75 or 1.0 at most, whereas the values actually obtained, when calculated on the basis of such a structure, were 3.99, 4.42 and 170% for alpha, D and beta, resp. On the other hand, the values calculated on the basis of the diamino structure (3.14, 3.54,

133%) agree well with those for mono- and di-amino derivs. of C10H8. Thorpe grouped his compds. into 3 classes: (1) imides with "short amine phase" (2) pronouncedly tautomeric compds.; (3) amines with "short imine phase." The nature of the individual compds., according to him, was determined by

the nature and number of "negative" substituents (CN, CO2R, CO2H, Ph), the position of the H2N or NH groups with respect to these substituents, and certain steric factors. He based his classification on the behavior of the compds. towards acids, especially HCl; imines are hardly basic, do not dissolve in concentrated HCl and on heating are rapidly and completely hydrolyzed to the ketones; amines form salts and are not hydrolyzed even on long heating with acids; compds. of class (2) dissolve in HCl, the rapidly and extent to which the resulting salts are converted back into the amine or hydrolyzed to the ketones by water indicating the position of the equilibrium imine-diamine. There are many objections to the

Thorpe

theory in individual cases, and v. A. and W. believe there is no need of assuming amine and imine forms to explain the differing behavior of these N compds. As is so often the case in tautomerism problems, purely chem. methods here also do not suffice to furnish a soln. To solve the problem spectro-chemically it was necessary first to study some unsatd. amino nitriles, and measurements were accordingly made on diacetonitrile (V), dipropionitrile (VI), Et alpha-cyano-beta-amino-gamma-phenylcrotonate (VII), beta-aminocinnamionitrile (VIII), beta-diethylaminocinnamionitrile (IX) and Et beta-diethylaminocinnamate (X). These showed that the earlier detns. on V were for some reason wrong and that enamine-nitriles have greater, not smaller, exaltations than the enamine-esters. VIII-X, from their E values, are true cinnamic derivs. The high exaltations of 2-amino-1-cyanoindene (XI), considered by Thorpe to be 2-imino-1-cyanohydrindene, are not reconcilable with the imine structure. This was confirmed by measurements on 1-cyano-beta-hydrindone (XII) and its O- (XIII) and N-Me ethers (XIV). v. A. and W. conclude that Thorpe's classification has no basis in fact and that the substances studied by him are all enamines. Of course, spectro-chemistry, in this as in other fields, has its limitations and whether these enamines are homogeneous or admixed with certain quantities of the tautomeric ketimines must, in general, be left an open question. Values for d4t, n for alpha, He and beta at t' and EM for alpha, O and beta for I-X and also for di-Et 1-aminoglutaconate are given.

IT 859179-72-9P, Crotonic acid, beta-amino-alpha-cyano-gamma-phenyl-, ethyl ester
RL: PREP (Preparation)
(preparation of)
RN 859179-72-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

